

REMARKS

The office action discusses two cited references and then notes that “[t]herefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate using two different types of antenna taught by Ishizaki et al. into the apparatus of Buternowsky et al., in order to prevent receiving strength from being degraded due to a change in application environment”. Certainly this observation would be pertinent if the claims were directed to simply using two different types of antenna. This is certainly not the case.

To the contrary, the claim is directed to using a first antenna “being an omni-directional radio frequency antenna having a non-directive radiation pattern and said second second antenna is a radio frequency directed antenna having a directive radiation pattern”. Thus, since the claimed antennas are not taught in the cited reference, it is of no particular relevance that the reference teaches using different antennas when it does not teach using antennas that are different in the way claimed.

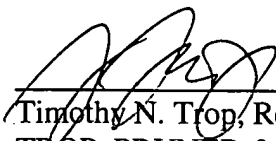
Moreover, neither reference appears to be directive or, if that is not correct, they are both either directive or they are both non-directive. That is because the radiation patterns are basically the same, just in different planes.

Therefore, it is respectfully submitted that there is no way to use Ishizaki to meet the claim limitations. In point of fact, the only indication of directivity is an indication of omni-directivity for the linear antenna in the horizontal plane. But notice that the coil-shaped antenna has the same radiation pattern in the horizontal plane, at least for a horizontal electric field.

In other words, each of the references are equally directive or non-directive, as one may choose to pick, just they are equally directive or non-directive in different planes.

Respectfully submitted,

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